

Amendments to the Claims

Listing of Claims:

Claims 1-5 (canceled).

Claim 6 (new). A force measuring device, comprising:

a metal-injection-molded, single-piece metal housing;

said single-piece metal housing having a rigid upper housing part, a rigid lower housing part, and a plurality of U-shaped spring elements connecting said upper and lower housing parts to one another;

said spring elements enabling said upper and lower housing parts to be moved elastically relative to one another along a movement axis upon application of a force, and said spring elements being disposed symmetrically to one another parallel to said movement axis and relative to a sectional plane; and

a deflection sensor mounted between said upper and lower rigid housing parts to detect their relative movement in relation to each other.

Claim 7 (new). The force measuring device according to claim 6, wherein each one of said U-shaped spring elements has two arms enclosing an acute angle.

Claim 8 (new). The force measuring device according to claim 6, wherein each spring element has a wall thickness decreasing from said upper housing part and once more increasing towards a vertex thereof.

Claim 9 (new). The force measuring device according to claim 6, wherein said spring elements are curved springs extending from said upper housing part to said lower housing part, and each said spring element has a wall thickness decreasing from said upper housing part and once more increasing towards a vertex of the respective said curved spring.

Claim 10 (new). The force measuring device according to claim 6, wherein said housing includes at least four U-shaped spring elements, with a pair of two spring elements respectively pointing in a common direction from said sectional plane.

Claim 11 (new). The force measuring device according to claim 10, wherein said lower housing part includes a securing lug between each said pair of two curved spring elements, said lugs enabling the force measuring device to be rigidly connected to a motor vehicle chassis.

Claim 12 (new). The force measuring device according to claim 11, which further comprises screw bolts adapted to said lugs and configured to attach the force measuring device to the motor vehicle chassis.

Claim 13 (new). The force measuring device according to claim 6, wherein said metal-injection-molded, single-piece metal housing is an integral metal part formed in a metal injection molding process by molding a metal powder and subsequently sintering the molded body.